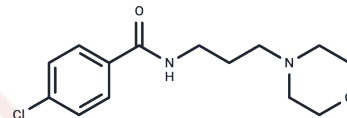


Eprobemide

Chemical Properties

CAS No. :	87940-60-1
Formula:	C ₁₄ H ₁₉ ClN ₂ O ₂
Molecular Weight:	282.77
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Eprobemide (LIS 630) is a non-competitive reversible inhibitor of monoamine oxidase A (MAO-A).
Targets(IC50)	MAO, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 50 mg/mL (176.82 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.07 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5364 mL	17.6822 mL	35.3644 mL
5 mM	0.7073 mL	3.5364 mL	7.0729 mL
10 mM	0.3536 mL	1.7682 mL	3.5364 mL
50 mM	0.0707 mL	0.3536 mL	0.7073 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gol'dina OA, et al. The action of befol and its derivatives on monoamine oxidase of different origins. Biull Eksp Biol Med. 1991 Mar;111(3):279-80.

Donskaya, et al. Antidepressant Befol Synthesized Via Interaction of 4-Chloro-N-(3-chloropropyl)benzamide with Morpholine. Pharmaceutical Chemistry Journal, 2004 Jun; 38(7): 381-384.

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